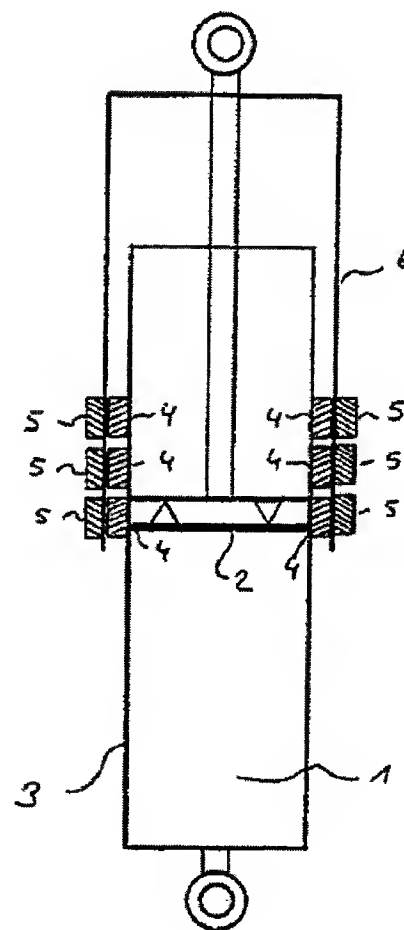


Motor vehicle shock absorber arrangement charging vehicle battery**Patent number:** DE19647031**Publication date:** 1997-05-22**Inventor:****Applicant:** GOETZ MARGA (DE)**Classification:****- international:** F16F6/00; F16F15/03; H02K35/00; F16F6/00; F16F15/03; H02K35/00; (IPC1-7): H02K35/00; F16F6/00**- european:** F16F6/00; F16F15/03; H02K35/00**Application number:** DE19961047031 19961114**Priority number(s):** DE19961047031 19961114; DE19952018322U 19951118[Report a data error here](#)**Abstract of DE19647031**

The shock absorber (1) including an integrated linear generator for energy generation, in which the movement by the shock absorber is utilised with the piston stroke (2) or with the protective tube (6). An arrangement of induction coils (4) for generating electrical energy is provided around the protective casing (3) and the piston (2) is provided with at least one permanent magnet. The piston (2) is designed specifically as a permanent magnet with the piston casing (3) as well as the outer protective tube (6) made of magnetically neutral material.

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